Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/16/2022 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125052	0	1.64	124947	1.62
Blue	F	SSC	125000	125768	0	3.13	126379	3.03
Blue	E	FITC	15860	15298	-4	2.32	373	13.69
Blue	D	PE	27718	27582	-1	1.84	642	10.26
Blue	B	PerCP-Cy5-5	38046	37184	-3	3.06	1020	15.01
Blue	A	PE-Cy7	26092	26011	-1	4.88	507	31.41
Red	C	APC	49104	48456	-2	2.55	1704	11.35
Red	A	APC-Cy7	28201	27570	-3	2.89	723	12.13
Violet	B	V450	9904	9508	-4	3.69	528	11.45
Violet	A	V500	39004	37566	-4	3.30	981	8.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24106	1.97	569	0	N/A	N/A	Pass
Blue	F	SSC	56167	1.75	523	-5	N/A	N/A	Pass
Blue	E	FITC	57	55.60	492	1	0.0475	106	Pass
Blue	D	PE	124	37.49	499	3	0.4103	281	Pass
Blue	B	PerCP-Cy5-5	137	44.79	590	1	0.0192	52	Pass
Blue	A	PE-Cy7	63	94.35	634	2	0.0204	0	Pass
Red	C	APC	327	26.26	577	-4	0.0279	134	Pass
Red	A	APC-Cy7	97	42.10	550	-5	0.0065	1209	Pass
Violet	B	V450	85	48.27	465	7	0.0584	2056	Pass
Violet	A	V500	123	32.28	476	7	0.0262	1251	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.01	-31.81	1.00
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.30	13.90 - 20.86	N/A	N/A	30.11	30.39	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11921

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments